

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of treating a disorder by using cancer comprising:

administering, to a patient in need thereof, an effective amount of a compound of formula (I)



(I)

wherein

(i) R^1 and R^2 are the same or different and are selected from H, $-\text{CH}_2-\text{O}-R^5$, $-\text{CH}_2-\text{O}-\text{SO}_2-R^5$, $-\text{CH}_2-\text{S}-R^5$, $-\text{CH}_2-\text{O}-\text{CO}-R^5$, $-\text{CH}_2-\text{O}-\text{CO}-\text{NR}^4R^5$ and $-\text{CH}_2-\text{O}-\text{CO}-\text{OR}^5$;

R^3 is =O;

R^4 and R^5 are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are

independently selected from N, O and S; or R^4 and R^5 in $-NR^4R^5$ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that when R^1 and R^2 are both $-CH_2-OR^5$ then both R^5 are not H; and

with the further proviso that R^1 and R^2 are not both H; or

(ii) R^1 and R^2 together with the carbon atom to which they are bonded form an substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl and non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR^6 ; $CONR^6R^7$; and $COOR^6$;

R^6 and R^7 are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-

C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt thereof,
~~for the treatment of a disorder selected from~~
~~hyperproliferative diseases, by administering said compound in~~
~~an effective amount for said disorder, to a patient in need~~
~~thereof.~~

2-3. (Cancelled)

4. (Currently Amended) A process for the preparation of a compound according to ~~claim 3~~ of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are
selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-
O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected
from H; substituted or non-substituted, unbranched or
branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10
alkyl; substituted or non-substituted benzyl; substituted or

non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that R¹ and R² are not both selected from H and -CH₂OH; or

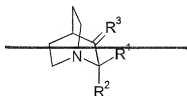
(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-

C10 heterocyclyl wherein the hetero-atoms are independently
selected from N, O and S; or

a pharmaceutically acceptable salt of the compound
of formula (I),

by said process comprising reacting a compound of
said formula (I)



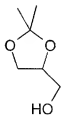
(I)

wherein

~~R¹, R² and R³ are as defined in claim 3, provided
that at least one of R¹ and R² is -CH₂OH; or wherein both R¹ and
R² are -CH₂OH and R³ is as defined in claim 3;~~

with a compound of formula R⁵-CO-X, NR⁴R⁵-CO-X, or
R⁵O-CO-X; wherein X is a leaving group; under conditions
suitable for transforming at least one of R¹ and R² into -CH₂-
O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ or -CH₂-O-CO-OR⁵ ~~wherein R⁴ and R⁵ are
as defined in claim 3;~~

or by reacting a compound of said formula (I)
wherein both R¹ and R² are -CH₂OH; with a compound of formula



5. (Currently Amended) A compound according to claim
3 of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are
selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-
O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected
from H; substituted or non-substituted, unbranched or
branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10
alkyl; substituted or non-substituted benzyl; substituted or
non-substituted mono- or bicyclic aryl; substituted or non-
substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-
aromatic C1-C10 heterocyclyl wherein the heteroatoms are
independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵

are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that R¹ and R² are not both selected from H and -CH₂OH; or

(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt of the compound of formula (I), for use as a medicament.

6. (Currently Amended) A pharmaceutical composition comprising a therapeutically effective amount of a compound according to claim 3, of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally

containing one or several further heteroatoms independently
selected from N, O and S and optionally comprising one or
several cyclic keto groups;

with the proviso that R¹ and R² are not both selected
from H and -CH₂OH; or

(ii) R¹ and R² together with the carbon atom to which
they are bonded form a substituted or non-substituted cyclic
carbonate; wherein the substituents of the substituted groups
are selected from unbranched or branched, saturated or
unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono-
or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl
or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms
are independently selected from N, O and S; C1-C10 alkyloxy;
amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected
from H; unbranched or branched, saturated or unsaturated C3-
C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic
aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-
C10 heterocyclyl wherein the hetero-atoms are independently
selected from N, O and S; or a pharmaceutically acceptable
salt or ~~pre-drug~~ thereof; and

at least one pharmaceutically acceptable excipient.

7. (Original) A pharmaceutical composition according to claim 6, comprising at least one further, pharmaceutically active compound.

8. (Cancelled)

9. (Previously Presented) A pharmaceutical composition according to claim 7, wherein the at least one further active compound *in vivo* is susceptible of reacting with glutathione.

10. (Currently Amended) A pharmaceutical composition according to claim 7 or claim 9, wherein the at least one further pharmaceutically active compound is selected from the group consisting of adriamycin, melphalan and cisplatin.

11. (Currently Amended) A method of ~~treatment of a~~
~~disease selected from hyperproliferative diseases, by~~
~~administration of~~ treating a cancer comprising:
administering, to a patient in need thereof, a
therapeutically effective amount of a compound of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂-O-R⁵, -CH₂-O-SO₂-R⁵, -CH₂-S-R⁵, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom

to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that when R^1 and R^2 are both $-CH_2-OR^5$ then both R^5 are not H; and

with the further proviso that when one of R^1 and R^2 is H and the other one is $-CH_2-NR^6R^5$, then R^4 and R^5 are not substituted or non-substituted monocyclic aryl; or

(ii) R^1 and R^2 together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR^6 ; $CONR^6R^7$; and $COOR^6$;

R^6 and R^7 are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt ~~or prodrug~~
thereof,

~~to a patient in the need of such treatment.~~

12. (Currently Amended) The method according to claim 11, wherein the compound of formula (I) is administered together with a at least one further, pharmaceutically active compound.

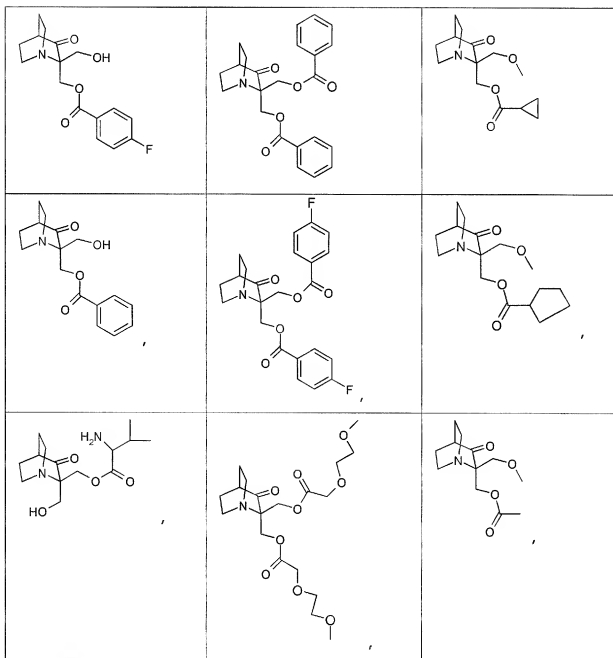
13. (Cancelled)

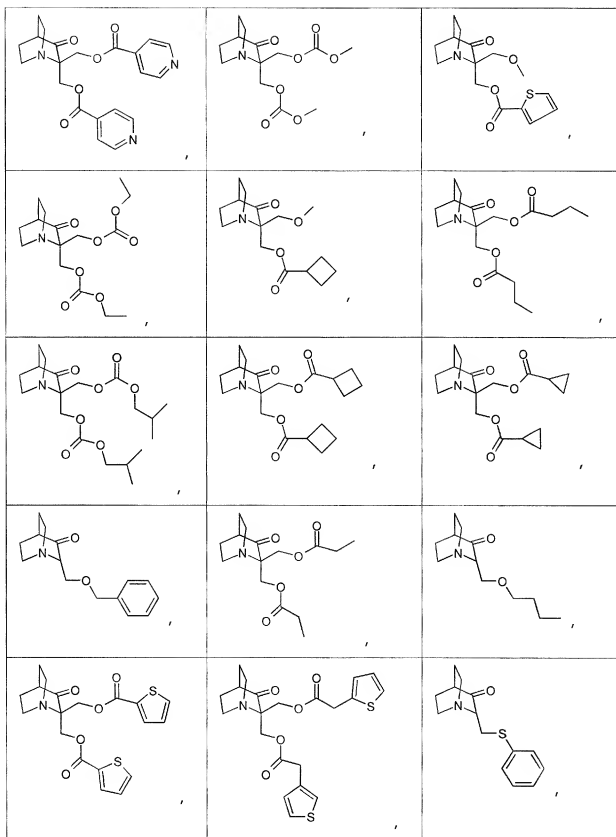
14. (Currently Amended) The method according to the claim 12 wherein, the at least one further pharmaceutically active compound in vivo is susceptible of reacting with glutathione.

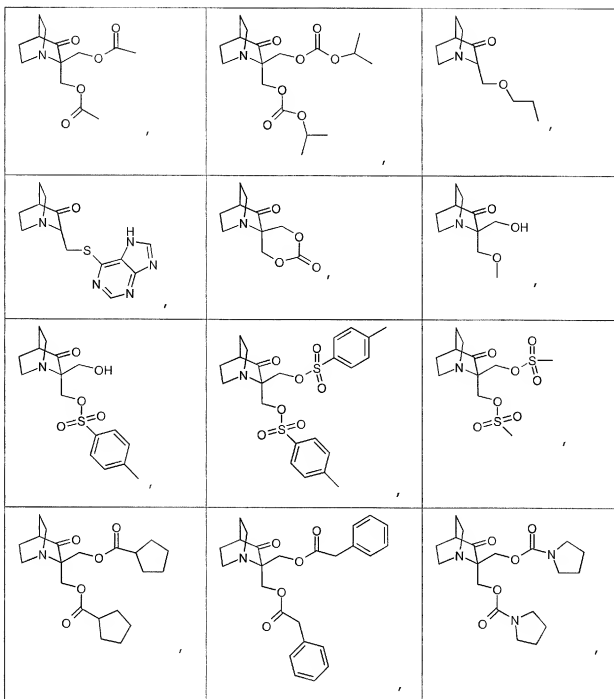
15. (Currently Amended) The method according to claim 12 or claim 14, wherein the at least one further pharmaceutically active compound is selected from the group consisting of adriamycin, melphalan, and cisplatin.

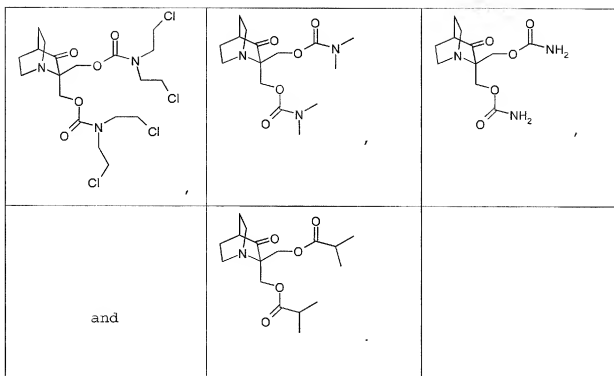
16. (Currently Amended) A method of treating a mammal suffering from a ~~hyperproliferative disease~~ cancer,

comprising administering to said mammal in need thereof a therapeutically effective amount of a compound selected from the group consisting of:



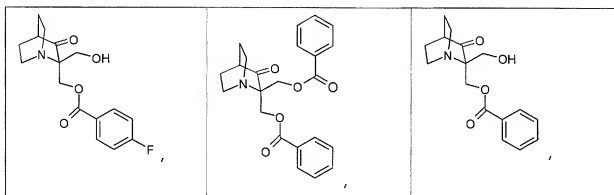


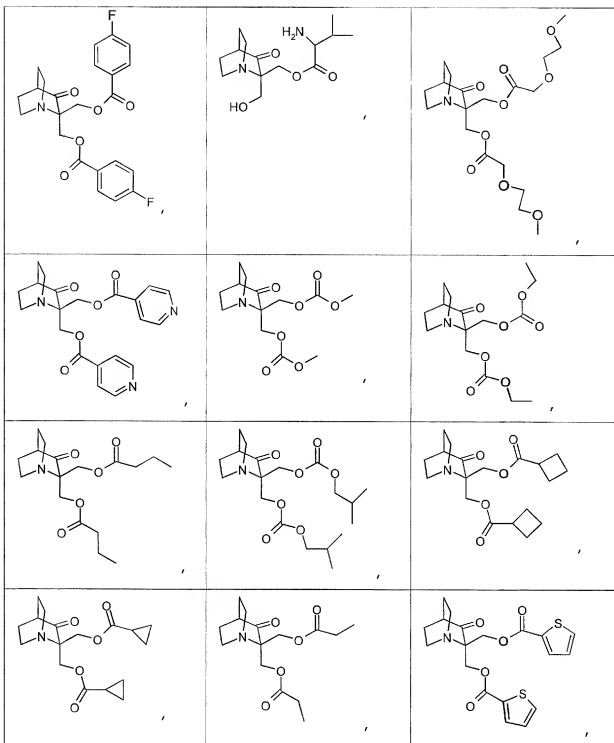


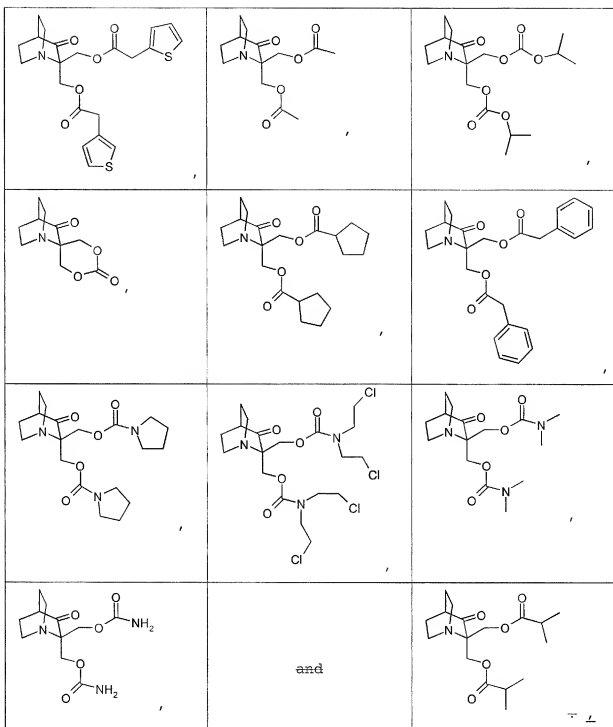


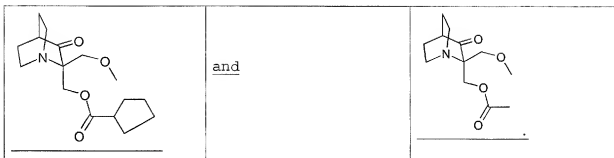
17. (Cancelled)

18. (Currently Amended) A compound selected from the group consisting of:









19. (Previously Presented) The process according to claim 4, wherein X is Cl.

20. (Currently Amended) The A compound according to claim 3, of formula (I)



(I)

wherein

R^1 and R^2 are the same or different and are both selected from the group consisting of $-CH_2-O-CO-R^5$, $-CH_2-O-CO-NR^4R^5$ and $-CH_2-O-CO-OR^5$ [[.]]_i

R^3 is =O;

R^4 and R^5 are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or

non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt thereof.

21. (New) A compound according to claim 18, or a pharmaceutically acceptable salt thereof, for use as a medicament.

22. (New) A compound according to claim 20, or a pharmaceutically acceptable salt thereof, for use as a medicament.

23. (New) A method of treating a cancer comprising administering an effective amount of the compound according to claim 18 to a patient in need thereof.

24. (New) A method of treating a cancer comprising administering an effective amount of the compound according to claim 20 to a patient in need thereof.

25. (New) A pharmaceutical composition comprising a therapeutically effective amount of the compound according to claim 18.

26. (New) A pharmaceutical composition comprising a therapeutically effective amount of the compound according to claim 20.